

Title (en)
LIQUID IMMERSSED SURGE ARRESTER

Title (de)
IN EINE FLÜSSIGKEIT EINGELEGTÜBERSpannungsableitvorrichtung

Title (fr)
PARAFoudre IMMERGE DANS DU LIQUIDE

Publication
EP 1747563 B1 20181226 (EN)

Application
EP 05742148 A 20050428

Priority
• US 2005014590 W 20050428
• US 83438804 A 20040429

Abstract (en)
[origin: WO2005112051A1] A liquid immersed surge arrester that protects electrical equipment includes a module assembly. The module assembly includes at least one varistor and a pre-impregnated composite around the at least one varistor. The liquid immersed surge arrester also includes contacts on opposite ends of the module assembly with which the module assembly is connected to electrical equipment to be protected and to electrical ground. The liquid immersed surge arrester also includes a tank that houses the module assembly and the contacts. A fault-tolerant protection device for protecting electrical equipment includes a surge arrester to protect electrical equipment from damage during periods of voltage above a normal operating range. The fault-tolerant protection device also includes a surge durable fuse element to disconnect the surge arrester after failure of the surge arrester to allow unprotected operation of the electrical system.

IPC 8 full level
H01C 7/12 (2006.01); **H01H 85/44** (2006.01)

CPC (source: EP US)
H01C 7/12 (2013.01 - EP US); **H01C 7/126** (2013.01 - EP US); **H01H 85/44** (2013.01 - EP US)

Designated contracting state (EPC)
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